



Astronomers Without Borders

ONE PEOPLE + ONE SKY

Global Pairing Program

The POWER of NETWORKING

Sharing our interest in Astronomy
and Science

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Connecting Experience through Mentoring



USA Clubs

Experienced

Older

Retired

Resourced

**Expanded
Network**

**Desire to
outreach
to others**

**Desire to
expand
grow**

**AWB
Provides
linkage
and resource
identification**

Limited Resources

Younger

Start Ups



International Clubs



International Clubs Seeking Pairing

Clubs requesting pairing partners

- Uganda Astronomy Club, Kampala, Uganda
- Anushandhitshu Choro, Dhaka, Bangladesh
- The Astronomical Association of Jamaica
- UP Amateur Astronomy Club, Lucknow, India
- Galileo Science Club, Chennai, India
- Royal Astronomers Without Borders of Southern Africa, Norton ,Zimbabwe
- Astronomy Section of the Namibia Scientific Society
- Jakarta Amateur Astronomers Association
- Aster Kherrata, Bejaia,Algeria
- Pokhara Astronomical Society, Pokhara, Nepal
- FLSAA Guilin China
- Club d'Astronomie Mizar, Azrou, Morocco
- RTU AstroSoc, Manila, Philippines



Club Interests Vary Widely

- **Range of interests varies widely**
- **Pairing partners should consider interests and experience**
 - Varies from Elementary Students in Uganda
 - Entry Level observing in Jamaica
 - General observing and entry level interest India
 - Advanced study in High Schools grades 7-12
 - College clubs doing research in China.



Why should we get involved

- **Cultural exchange**
- **Exchange of information including outreach guiding and training**
- **Agenda to be determined by the two clubs involved. No set agenda.**

Who will be involved

- **Individuals to small groups in your club**
 - **Meet via SKYPE at your best time to meet**



Challenges

- **Time Zones**
 - Example: Night USA Pacific Time aligns to day time primary school hours in India/ Pakistan /Sri Lanka
- **When to meet**
 - This is dependent on both clubs needs and desires
- **Languages**
 - All clubs so far have significant students and members who speak English.
 - Vietnam provides interpreter for some needs (about 50% of members)
- **Experience and knowledge base.**
 - Many N.A. clubs have been identified as well positioned to support the needs of the clubs seeking pairing.



Program elements and support

- **AWB will provide:**
 - Framework for engagement
 - Resources and references for engagement
 - Initial meeting with team leaders from each clubs
 - Suggested topics
 - Program oversight and guidance
 - Establish list of mentors and their expertise
 - SKYPE checkout
 - Follow-up on successes and changes needed if any
 - Improvements to engagement process and resource development



Program Elements

Utilize club experts
and resources of:

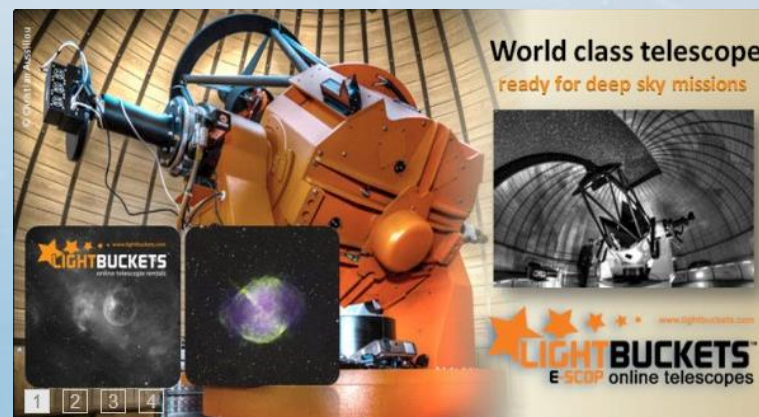
Astronomy Society of the
Pacific.

Las Cumbres Observatory
staff trainers

www.lightbuckets.com

Galileo Teacher Training
Program

Other resources as available
and TBD





Topics to consider

- **Potential topics may include:**
- Visual observing
- Understanding CCD
- operation
- CCD imaging
- Robotic observatory
- operation and planning
- Star charts and observing
- Many more



Program Visions

- Goals:
 - Enhanced understanding of our cosmos
 - Improve observing techniques
 - Establish technical and practical resources for clubs, individual observers and students
 - Spark cultural exchange with International astronomers
 - Retain young students' interest in astronomy and science by expanding the concepts of public and private classroom curriculum.
- Commitment:
 - Clubs desiring to:
 - Improve understanding of the cosmos
 - Participate in mentorship opportunity.
 - Partner with international clubs by delivering training materials, expertise, and time tested resources
 - Support, develop and deliver on schedules



For more information see:

AWB website: <http://astronomerswithoutborders.org/>

AWB GPP Page:

<http://astronomerswithoutborders.org/projects/13-current-projects/1523-global-pairing-program.html>

FAQ's:

http://astronomerswithoutborders.org/images/downloads/Specific_topics_of_engagement.pdf

Application for GPP participation:

<http://astronomerswithoutborders.org/club-information>



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